

**Lamb Timber Sale**  
**Logging Feasibility Report**

**Notes:** Due to the variability of the terrain throughout the sale, there may be the need of intermediate support trees in units not so stated in this analysis. Rigging heights are based on a particular profile and will also differ from given heights throughout each unit. Unless otherwise stated skyline yarding direction will be uphill and Ground Base skidding directions will be downhill. All skidding and yarding operations will have constraints within stream corridors in all units. See contract provision C6.42# for special yarding and skidding methods. All Ground based skid roads and landings must be approved prior to use. Skid roads will be placed 150' apart.

For skyline operations, a carriage with skyline clamping capability will be required. Unless otherwise stated in the unit comments the Diamond D2000, 42' boom, 7/8" skyline, 5/8 inch mainline and 1/2 inch haulback line will be used with an Acme 20 carriage for profile analysis. Skyline corridors for uphill yarding will be 150 feet apart at the farthest reach of the corridor. For downhill yarding the corridors spacing can be adjusted to be closer than 150 feet with prior approval from the Contract Officer Rep.

If there are areas that could be harvested with Ground based equipment or have slopes in excess of 30%, shovel operations can be considered. Each situation must be looked at and approved by the TSO with the cooperation of the zone Geologist.

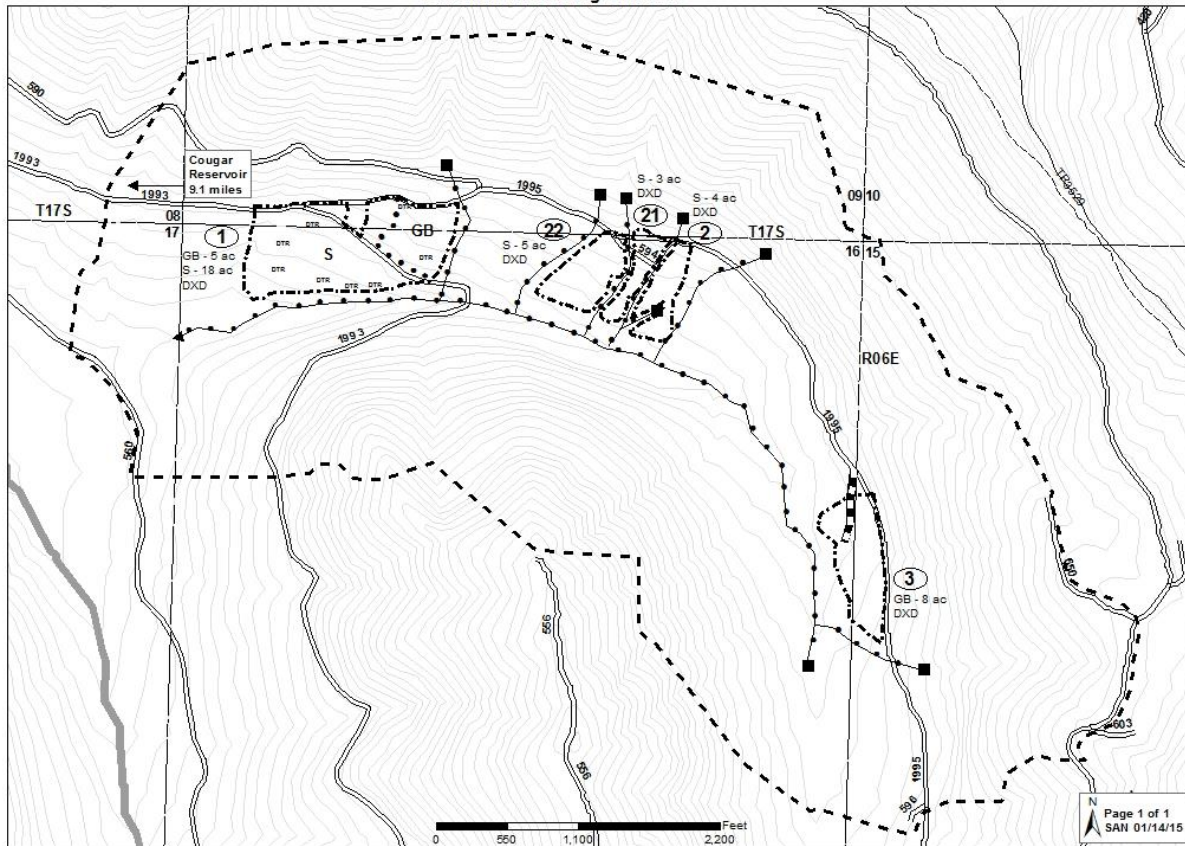
A 30 foot no-harvest buffer is placed on Class 4 streams and a 90 foot no-harvest buffer is placed on Class 2 streams. If Ground based equipment is permitted it will be restricted from operating within 40 feet of the no harvest stream buffers to avoid soil compaction and impacts to shallow groundwater.

Skyline corridors are permitted within the buffers, however all timber cut in No Harvest Buffers will be left in place. Full suspension will be required when yarding over perennial streams. Where full suspension is not obtainable over intermittent streams, partial suspension is required and limited to that period when the stream is dry.

Intermediate support tree and tail spar heights are determined in accordance to OSHA standards and guidelines.

There may be small areas along roads and near landing sites that can be harvested in a manner not specified in the logging plan. With prior approval from the TSO these areas may be harvested using alternate methods operation.

**Lamb Timber Sale  
Sale Area and Slash Disposal Map  
Willamette National Forest  
McKenzie River Ranger District**



**Unit No: 1-3, 21-22**  
**Ground Base: 13 acres**  
**Skyline: 30 acres**  
**Thin – 41 acres**  
**DTR's – 2 acres**  
**Elevation: 4000**  
**%Slope: 20-40**

**Discussion:** The skyline portion of this sale will be yarded to Forest roads 1993, 1995, and 1995594. The timber is of sufficient size to provide for tail spars and intermediate supports if needed. The average yarding distance is approximately 400 feet.

Unit 1 the northeast portion is ground based operation and can be skidded to the 1993 road. The west portion is to be skyline yarded.

Unit 2 is skyline yarding to the 1995 or the 1995594 road.

Unit 3 is ground based operations and can be uphill skidded. Skid roads may have to be run on a 10-20% side hill configuration. There is a temp spur that runs into the north portion of the unit and can be used to downhill/sidehill.